+26112-PC1

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: IVAN S. KAVRUKOV COOPER & DUNHAM LLP	PCT			
1185 AVENUE OF THE AMERICA NEW YORK, NY 10036	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
DEC 1 4	(PCT Rule 44.1)			
	Date of mailing (day/month/year) 10 DEC 2004			
	(day/month/year) IUUEU 2004			
Applicant's or agent's file reference 269272616PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US04/19488	International filing date (day/month/year) 18 June 2004 (18.06.2004)			
Applicant				
U-SYSTEMS, INC.				
The applicant is hereby notified that the international search Authority have been established and are transmitted herew	ch report and the written opinion of the International Searching ith.			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim	ims of the international application (see Rule 46):			
	normally two months from the date of transmittal of the international			
Where? Directly to the International Bureau of WIPO, 1211 Geneva 20, Switzerland, Facsimile No.:	+41 22 740 14 35			
For more detailed instructions, see the notes on the acc	companying sheet. No other pending US apps.			
2. The applicant is hereby notified that no international search	Pic 1			
3. With regard to the protest against payment of (an) addition				
	transmitted to the International Bureau together with the applicant's			
no decision has been made yet on the protest; the appl				
4. Reminders	and the second s			
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.				
In respect of other designated Offices, the time limit of 30 months	(or later) will apply even if no demand is filed within 10 months			
See the Annex to Form PCT/IB/301 and, for details about the a Guide, Volume II, National Chapters and the WIPO Internet site.	pplicable time limits, Office by Office, see the PCT Applicant's			
Name and mailing address of the ISA/ US	Authorized officer			
Mail Stop PCT, Attn: ISA/US	for the glade sarey			
Commissioner for Patents P.O. Box 1450	Ali Imam Sheffa H. Veney			
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Parálegal Specialist Telephone No. 703-308-114 Tech. Center 3700			

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 269272616PCT	FOR FURTHER ACTION		orm PCT/ISA/220 re applicable, item 5 below.	
International application No. PCT/US04/19488	International filing date (day/ 18 June 2004 (18.06.2004)	month/year)	(Earliest) Priority Date (day/month/year) 20 June 2003 (20.06.2003)	
Applicant U-SYSTEMS, INC.				
according to Article 18. A copy is being	g transmitted to the Internation	I Searching Au nal Bureau.	thority and is transmitted to the applicant	
	This international search report consists of a total of $\underline{3}$ sheets. It is also accompanied by a copy of each prior art document cited in this report.			
language in which it was filed, un	nless otherwise indicated under	this item.	is of the international application in the	
furnished to this Author	rity (Rule 23.1(b)).		tion of the international application	
	de and/or amino acid sequenc unsearchable (See Box No. II)		e international application, see Box No. I.	
4. With regard to the title,	3. Unity of invention is lacking (See Box No. III)			
the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows:				
		•		
5. With regard to the abstract,				
the text is approved as submit	•	this Authority of	s it appears in Box No. IV. The applicant	
			report, submit comments to this Authority.	
6. With regard to the drawings,a. the figure of the drawings to be p	ublished with the abstract is Fig	gure No. <u>2</u>		
as suggested by the a	••			
	uthority, because the applicant			
	uthority, because this figure bet	ter characterizes	s the invention.	
b none of the figures is to be pu	ionshed with the abstract.			

Form PCT/ISA/210 (first sheet) (January 2004)

	International application No.	
INTERNATIONAL SEARCH REPORT	PCT/US04/19488	
		
·		
Continuation of B. FIELDS SEARCHED Item 3:		
EAST search terms: ultrasound, mammograph, hand-held, operating mode		
mode inductions and inductions are inductions and inductions and inductions are inductional and induction and induction are inductional and inductional and inductional are inductional and inductional and inductional are inductional and inductional and inductional are indu		
•		

Form PCT/ISA/210 (extra sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/19488

IPC(7)	ASSIFICATION OF SUBJECT MATTER		
	: A61B 8/00		
US CL	: 600/437		
	to International Patent Classification (IPC) or to both	national classification and IPC	
	LDS SEARCHED		
Minimum (U.S. :	documentation searched (classification system followe 600/407-472; 128/916, 898, 920	ed by classification symbols)	
Documenta	tion searched other than minimum documentation to (the extent that such documents are	included in the fields searched
Electronic of Please See	data base consulted during the international search (na Continuation Sheet	ame of data base and, where practic	cable, search terms used)
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where	appropriate, of the relevant passa	ges Relevant to claim No.
A	US 5,479,927 A (SHMULEWITZ) 02 January 19	96 (02.01.1996), entire document.	1-20
Α	US 5,474,072 A (SHMULEWITZ) 12 December		
			·
- Format			
	documents are listed in the continuation of Box C.	See patent family anne	
A" document	documents are listed in the continuation of Box C. pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance	"T" later document published af	ter the international filing date or priority the application but cited to understand the
A" document of particul	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular relevant of considered novel or cannot be considered novel or canno	ter the international filing date or priority the application but cited to understand the ing the invention vance; the claimed invention cannot be be considered to involve an inventive step
A" document of particul E" earlier app	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular relevation considered novel or cannot when the document is taken "Y" document of particular relevations of considered to involve an inv	ter the international filing date or priority the application but cited to understand the ing the invention wance; the claimed invention cannot be be considered to involve an inventive step alone wance; the claimed invention cannot be entive step when the document is
SJ A" document of particul E" earlier app L" document establish d specified) O" document	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as referring to an oral disclosure, use, exhibition or other means	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular relevations of cannot when the document is taken "Y" document of particular relevations of considered to involve an invalue and invalue of combined with one or more being obvious to a person ski	ter the international filing date or priority the application but cited to understand the ing the invention wance; the claimed invention cannot be be considered to involve an inventive step alone cance; the claimed invention cannot be entive step when the document is other such documents, such combination
SI A" document of particul E" earlier app L" document establish d specified) O" document P" document priority da	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the te claimed	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular relevent of cannot when the document is taken "Y" document of particular relevences document of particular relevant document document of particular relevant document	the the international filing date or priority the application but cited to understand the ing the invention the invention cannot be be considered to involve an inventive step alone transce; the claimed invention cannot be entive step when the document is other such documents, such combination iilled in the art
SI A" document of particul E" earlier app L" document establish d specified) D" document priority da ate of the ac	defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the te claimed	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular relevations of considered novel or cannot when the document is taken "Y" document of particular relevations document of particular relevations document of involve an invalve and invalve	the the international filing date or priority the application but cited to understand the ing the invention wance; the claimed invention cannot be be considered to involve an inventive step alone wance; the claimed invention cannot be entive step when the document is other such documents, such combination citled in the art in the patent family
A" document of particular document establish dispecified) O" document priority da pate of the ac 6 November	defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the te claimed tual completion of the international search 2004 (26.11.2004)	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular relevations of cannot when the document is taken "Y" document of particular relevations of considered to involve an invacombined with one or more being obvious to a person sk "&" document member of the sar	the the international filing date or priority the application but cited to understand the ing the invention wance; the claimed invention cannot be be considered to involve an inventive step alone wance; the claimed invention cannot be entive step when the document is other such documents, such combination citled in the art in the patent family
A" document of particular specified) O" document priority da Date of the ac for November for particular specified and main for the specified specified specified)	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the te claimed tual completion of the international search 2004 (26.11.2004) iling address of the ISA/US	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular releviconsidered novel or cannot when the document is taken "Y" document of particular releviconsidered to involve an invicombined with one or more being obvious to a person skipper of the sar document member of the sar and particular releviconsidered to involve an invicombined with one or more being obvious to a person skipper of the sar document member of the sar and particular releviconsidered to involve an invicombined with one or more being obvious to a person skipper of the sar document member of the sar and particular releviconsidered to involve an invicombined with one or more being obvious to a person skipper of the sar document member of t	the the international filing date or priority the application but cited to understand the ing the invention wance; the claimed invention cannot be be considered to involve an inventive step alone wance; the claimed invention cannot be entive step when the document is other such documents, such combination citled in the art in the patent family
'A" document of particular specified) O" document priority da Date of the ac 6 November Jame and mai	defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the te claimed tual completion of the international search 2004 (26.11.2004) illing address of the ISA/US Stop PCT, Attn: ISA/US	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular relevations of considered novel or cannot when the document is taken "Y" document of particular relevations document of particular relevations derect to involve an invacional combined with one or more being obvious to a person skip document member of the same document membe	the the international filing date or priority the application but cited to understand the ing the invention wance; the claimed invention cannot be be considered to involve an inventive step alone wance; the claimed invention cannot be entive step when the document is other such documents, such combination itled in the art the patent family
A" document of particul E" earlier app L" document establish di specified) O" document priority da late of the act of the	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the te claimed tual completion of the international search 2004 (26.11.2004) iling address of the ISA/US Stop PCT, Attn: ISA/US missioner for Patents Box 1450	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular releviconsidered novel or cannot when the document is taken "Y" document of particular releviconsidered to involve an invicombined with one or more being obvious to a person skipper of the sar document member of the sar and particular releviconsidered to involve an invicombined with one or more being obvious to a person skipper of the sar document member of the sar and particular releviconsidered to involve an invicombined with one or more being obvious to a person skipper of the sar document member of the sar and particular releviconsidered to involve an invicombined with one or more being obvious to a person skipper of the sar document member of t	the the international filing date or priority the application but cited to understand the ing the invention wance; the claimed invention cannot be be considered to involve an inventive step alone wance; the claimed invention cannot be entive step when the document is other such documents, such combination illed in the art the patent family want search, report 2004
A" document of particul E" earlier app L" document establish dispecified) O" document priority da loate of the ac for the ac for the ac form and mai form and mai form P.O. Alexa	pecial categories of cited documents: defining the general state of the art which is not considered to be lar relevance plication or patent published on or after the international filing date which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the te claimed tual completion of the international search 2004 (26.11.2004) illing address of the ISA/US Stop PCT, Attn: ISA/US missioner for Patents	"T" later document published af date and not in conflict with principle or theory underlyi "X" document of particular relevations of considered novel or cannot when the document is taken "Y" document of particular relevations document of particular relevations derect to involve an invacional combined with one or more being obvious to a person skip document member of the same document membe	the the international filing date or priority the application but cited to understand the ing the invention but cited to understand the ing the invention cannot be be considered to involve an inventive step alone cance; the claimed invention cannot be entive step when the document is other such documents, such combination illed in the art me patent family

From the

INTERNATIONAL SEARCHING AUTHORITY

IVAN S. KAVRUKOV COOPER & DUNHAM LLP 1185 AVENUE OF THE AMERICA NEW YORK, NY 10036

PCT

WRITTEN OPINION OF THE

NEW TORK, NT 10030		INTERNATIONAL SEARCHING AUTHORITY		
		(PCT Rule 43bis.1)		
		Date of mailing (day/month/year) 10 DEC 2004		2004
Applicant's or agent's file reference		FOR FURTHER ACTION		
269272616PCT		See paragraph 2 below		
International application No.	International filing date	late (day/month/year) Priority date (day/month/year)		
PCT/US04/19488	18 June 2004 (18.06.200	.2004) 20 June 2003 (20.06.2003)		
International Patent Classification (IPC)	or both national classificat	tion and IPC		
IPC(7): A61B 8/00 and US Cl.: 600/437				
Applicant				
U-SYSTEMS, INC.				
1. This opinion contains indications rela	ating to the following item	ns:		
Box No. I Basis of the	opinion			
Box No. II Priority				
Box No. III Non-establis	hment of opinion with reg	gard to novelty, inve	ntive step and industria	l applicability
Box No. IV Lack of unity	y of invention			
		Sbis.1(a)(i) with regard to novelty, inventive step or industrial ations supporting such statement		
Box No. VI Certain docu	ments cited			
Box No. VII Certain defec	cts in the international app	olication		
Box No. VIII Certain obser	rvations on the internation	nal application		
2. FURTHER ACTION				
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.				
If this opinion is, as provided above, IPEA a written reply together, wher mailing of Form PCT/ISA/220 or before the control of the control o	e appropriate, with ame	ndments, before the	expiration of 3 month	hs from the date of
For further options, see Form PCT/ISA/220.				
3. For further details, see notes to Form PCT/ISA/220.				
Name and mailing address of the ISA/ US Authorized officer				
Mail Stop PCT, Attn: ISA/US		Ali Imam	Sheifa H.	Veney
Commissioner for Patents P.O. Box 1450		Paralegal Specialist		
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Ali Imam Sheifa H. Veney Paralegal Specialist Telephone No. 703-308-1148 Tech. Center 3700		

Form PCT/ISA/237 (cover sheet) (January 2004)



,		
International	application	No.

PCT/US04/19488

Box	x No. I Basis of this opinion	
1. W	Vith regard to the language, this opinion has been established on the basis of the international application in the language in where filed values of the international application in the language in where filed values of the international application in the language in where filed values of the international application in the language in where filed values of the international application in the language in which is the international application in the language in which is the international application in the language in which is the international application in the language in which is the international application in the language in which is the international application in the language in which is the international application in the language in which is the international application in the language in which is the international application in the language in i	nich
<u>"</u>	was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).	_,
2. W	Vith regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the aimed invention, this opinion has been established on the basis of:	ne
	a. type of material	
	a sequence listing	
	table(s) related to the sequence listing	
	b. format of material	
	in written format	
	in computer readable form	
,	c. time of filing/furnishing	
	contained in international application as filed.	
	filed together with the international application in computer readable form.	
	furnished subsequently to this Authority for the purposes of search.	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	1 1
4. Ad	ditional comments:	



nternational	application	No.
CT/11004/1	0400	

NO

applicability; citations and explanations supporting such statement Statement			
	Claims	NONE	NO
Inventive step (IS)	Claims	1-20	YES
	Claims	NONE	NO
Industrial applicability (IA)	Claims	1-20	YES

2. Citations and explanations:

Claims 1-20 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a system and method for modifying a general purpose ultrasound system equipped with first and second ports comprising the steps or structures for coupling a hand-held probe to the first port, coupling a full-filled breast (FFBU) scanning apparatus, including probe driving hardware and associated circuitry, to the second port, establishing a data communication path between the circuitry and the ultrasound system, and programming the general purpose ultrasound system to accommodate a first operating mode in which the hand-held probe is operated in a conventional manner and signals therefrom are processed according to a conventional hand-held operation of the general purpose ultrasound system and a second operating mode in which the breast scanning probe is mechanically driven under control of the general purpose ultrasound system while signals therefrom are processed by the general purpose ultrasound system to generate FFBU breast image data.

Claims NONE

Claims 1-20 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.

NOTESTOFORMPCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.